Error list

General

The error numbers shown on the EL display refer to a faulty assembly.

The abbreviations shown on the EL display have the following meaning:

Abbreviation on EL display	Faulty assembly	Location
p_sens	WT2 Sensor PCB	Sensor unit
p_cont	WT2 Controller PCB	Display housing
p_actu	WT2 Actuator PCB	E-box
p_matr	WT2 Mattress PCB	E-box
soft	Software error	

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Caleo error list

- Click on an error code to jump to relevant description of the error code.

Micro-controller errors cause a direct program abort. Other errors cause a program abort only after they have occurred several times. All errors and their occurrence are written in the error log.

Error code numbers shown on the EL display

1	2	3		5	6
7	8	9		11	12
13	14	15	16		
			22	23	24
25		27	28	29	30
31	32			35	36
37	38	39	40	41	42
43			46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62		64	65	66
67	68	69	70	71	72

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No.	Plain text	Cause	Remedy
1	**Sensor drift too high**	The measuring paths (air and skin) have drifted out of the tolerance range. (Note: The error is detected during the 10-minute test and leads to INOP.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
2	**Comm. error on CAN bus**	Communication between WT2 Controller PCB, WT2 Actuator PCB, and WT2 Sensor PCB is faulty. (Note: The error is detected during operation.)	• Check cable connection between WT2 Actuator PCB and WT2 Controller PCB; replace cable connection, if necessary. • Check cable connection between WT2 Actuator PCB and WT2 sensor PCB; replace cable connection, if necessary. • Replace WT2 Controller PCB, if necessary. • Replace WT2 Actuator PCB, if necessary. • Replace WT2 Sensor PCB, if necessary.
3	**36 degree ref. faulty**	The "36 degree test" with the reference resistance failed. (Note: The error is detected during the 10-minute test and leads to INOP.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
5	**Air excess temp. test failed**	The excess temperature circuit test with a reference resistance failed. (Note: The error is detected during the 10-minute test.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
6	**Invalid configuration**	The configuration is invalid. (Note: The error is detected during the power-on test and leads to INOP.)	• Switch device off and on and re-configure device. • Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".

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No.	Plain text	Cause	Remedy
7	**40 degree ref. faulty**	The "40 degree test" with the reference resistance failed. (Note: The error is detected during the 10-minute test and leads to INOP.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
8	**AirSafetyRelay blocked**	The air heater safety relay or the control of the air heater safety relay is faulty. (Note: The error is detected during the 10-minute test and leads to INOP.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Digital signals". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
9	**AirSafetyRelay Feedb. error**	The control of the air heater safety relay sends no feedback signal. (Note: The error is detected during the 10-minute test and leads to INOP.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Digital signals". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
11	**Air heater off**	The air heater is off, but should be on. (Note: The error is detected during operation and leads to INOP.)	• Check fuse on WT2 Actuator PCB and replace fuse, if necessary. • Check air heater thermostat and replace thermostat, if necessary. • Check air heater and replace air heater, if necessary. • Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Actuator PCB". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".

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No.	Plain text	Cause	Remedy
12	**Air heater on**	The air heater is on, but should be off. (Note: The error is detected during operation and leads to INOP.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Actuator PCB". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
13	**HumiditySafety Relay blocked**	The humidifier safety relay or the control of the humidifier safety relay is faulty. (Note: The error is detected during the 10-minute test.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Digital signals". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
14	**HumiditySafety Relay Feedb. error**	The control of the humidifier safety relay sends no feedback signal. (Note: The error is detected during the 10-minute test.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Digital signals". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
15	**Boiler off**	The humidifier heater is off, but should be on. (Note: The error is detected during operation.)	• Check fuse on WT2 Actuator PCB and replace fuse, if necessary. • Check humidifier thermostat and replace thermostat, if necessary. • Check humidifier and replace humidifier, if necessary. • Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Actuator PCB". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
16	**Boiler on**	The humidifier heater is on, but should be off. (Note: The error is detected during operation.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Actuator PCB". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".

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No.	Plain text	Cause	Remedy
22	**5V actuator error**	The 5-V voltage on the WT2 Actuator PCB is incorrect. (Note: The error is detected during operation and leads to INOP.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Operating voltages". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
23	**12V actuator error**	The 12-V voltage on the WT2 Actuator PCB is incorrect. (Note: The error is detected during operation and leads to INOP.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Operating voltages". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB". • Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
24	**5V actuator (sensor) error**	The 5-V voltage for the WT2 Sensor PCB is faulty. (Note: The error is detected during operation and leads to INOP.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Operating voltages". • If necessary, replace the WT2 Actuator PCB or the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Actuator PCB"or "Replacing the WT2 Sensor PCB".
25	**24V actuator error**	The 24-V voltage on the WT2 Actuator PCB is incorrect. (Note: The error is detected during operation and leads to INOP.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Operating voltages". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "WT2 Actuator PCB". • Check DC motor for height adjustment and replace, if necessary.
27	**O2 valve voltage**	The O_2 valve voltage on the WT2 Actuator PCB is incorrect. (Note: The error is detected during operation.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Digital signals". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".

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No.	Plain text	Cause	Remedy
28	**5V sensor error**	The 5-V voltage of the sensor unit is incorrect. (Note: The error is detected during operation and leads to INOP.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Operating voltages". • If necessary, replace the WT2 Sensor PCB or the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Sensor PCB" or "WT2 Actuator PCB".
29	**Temp ref 1 actuator**	(Note: The error is detected during the 10-minute test and leads to INOP.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Actuator PCB". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
30	**Watchdog error**	The watchdog time has been exceeded. (Note: The error is detected during the 10-minute test and leads to INOP.)	• Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
31	**Short-circuit multiplexer**	Error in analog electronics. (Note: The error is detected during operation and leads to INOP.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
32	**Short-circuit hybrid**	The evaluation electronics detected a short-circuit in the measuring hybrids. (Note: The error is detected during the 10-minute test.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
35	**Inop feedb. error**	The INOP feedback signal is incorrect. (Note: The error is detected during operation and leads to INOP.)	• Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".

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No.	Plain text	Cause	Remedy
36	**Stop feedb. error**	The stop feedback signal is incorrect. (Note: The error is detected during operation and leads to INOP.)	• Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
37	**Buzzer feedb. error**	The buzzer control feedback signal is incorrect. (Note: The error is detected during operation and leads to INOP.)	• Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
38	**Restoration CAN communication**	Communication between WT2 Controller PC B, WT2 Actuator PCB, and WT2 Sensor PCB cannot be restored. (Note: The error is detected during operation and leads to INOP.)	• Check cable connections between WT2 Actuator PCB and WT2 Controller PCB; replace cable connections, if necessary. • Check cable connections between WT2 Actuator PCB and WT2 Sensor PCB; replace cable connections, if necessary. • Replace WT2 Controller PCB, if necessary. • Replace WT2 Actuator PCB, if necessary. • Replace WT2 Sensor PCB, if necessary.
39	**Motor control**	No current is measured when the motor (height/tilt adjustment) is switched on. (Note: The error is detected during operation.)	• Check motor using DrägerService Mode, see calibration "Height adjustment or Tilt adjustment". • Replace WT2 Actuator PCB, if necessary. • Replace motor, if necessary.
40	**Variables conflict**	Software problem or external interference. (Note: The error is detected during operation and leads to INOP.)	• Switch device off and on again. If this does not help, proceed as follows: • Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".

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No.	Plain text	Cause	Remedy
41	**Program error**	Software problem or external interference. (Note: The error is detected during operation and leads to INOP.)	• Switch device off and on again. If this does not help, proceed as follows: • Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
42	**EEPROM error**	The EEPROM is defective. (Note: The error is detected during operation and leads to INOP.)	• Check the WT2 Controller PCB using the Repair Instructions "Checking the WT2 Controller PCB during normal operation". • If necessary, replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
43	**Humidity sensor error**	The humidity sensor has generated an error. (Note: The error is detected during operation.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB". • Replace humidity sensor, if necessary.
46	**Air sensor 1 short-circuit**	Short-circuit in the air temperature sensor 1 on the WT2 Sensor PCB. (Note: The error is detected during operation.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
47	**Air sensor 2 short-circuit**	Short-circuit in the air temperature sensor 2 on the WT2 Sensor PCB. (Note: The error is detected during operation.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".

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No.	Plain text	Cause	Remedy
48	**Air sensor 1 breakdown**	Breakdown in the air temperature sensor 1 on the WT2 Sensor PCB. (Note: The error is detected during operation.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
49	**Air sensor 2 breakdown**	Breakdown in the air temperature sensor 2 on the WT2 Sensor PCB. (Note: The error is detected during operation.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
50	**Air sensors temp. diff. high**	The temperature difference between the air temperature sensors (1 and 2) is greater than 1.0 °C. (Note: The error is detected during operation.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
51	**Key stuck**	A key is activated for more than 30 seconds. (Note: The error is detected during operation and leads to INOP.)	• Check membrane keypad using DrägerService Mode, see "Control keys test". • If necessary, replace membrane keypad, see Repair Instructions "Replacing the membrane keypad". • If necessary, replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
52	**Comm. error pba sensor**	Communication between WT2 Controller PCB and WT2 Sensor PCB is disturbed. (Note: The error is detected during operation and leads to INOP.)	• Check cable connection between WT2 Sensor PCB and WT2 Actuator PCB; replace cable connection, if necessary. • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".

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No.	Plain text	Cause	Remedy
53	**Comm. error pba actuator**	Communication between WT2 Controller PCB and WT2 Actuator PCB is disturbed. (Note: The error is detected during operation and leads to INOP.) Error 52 also occurs.	• Check cable connection between WT2 Actuator PCB and WT2 Controller PCB; replace cable connection, if necessary. • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
54	**CAN interface error**	Software problem or external interference. (Note: The error is detected during operation and leads to INOP.)	• Switch device off and on again. If this does not help, proceed as follows: • If necessary, replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
55	**Skin sensor 1 short-circuit**	Short-circuit in skin-temperature sensor 1. (Note: The error is detected during operation.)	• Check skin-temperature sensor 1 and replace, if necessary. • Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
56	**Skin sensor 2 short-circuit**	Short-circuit in skin-temperature sensor 2. (Note: The error is detected during operation.)	• Check skin-temperature sensor 2 and replace, if necessary. • Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
57	**GoldCap voltage low**	The GoldCap voltage is too low. (Note: The error is detected during operation.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Actuator PCB". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions: Replacing the WT2 Actuator PCB

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No.	Plain text	Cause	Remedy
58	**EPROM error**	Checksum test failed. (Note: The error is detected during operation.)	• Carry out download. • Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
59	**Current limiter error**	Current limiter (+5-V sensor) test failed. (Note: The error is detected during the power-on test.)	• Check the WT2 Actuator PCB using the DrägerService Mode, see diagnosis "Actuator PCB". • If necessary, replace the WT2 Actuator PCB, see Repair Instructions "Replacing the WT2 Actuator PCB".
60	**Error in the battery-backed RAM**	The content of the battery-backed RAM is not plausible. (Note: The error is detected during operation.)	• Replace lithium battery. If replacement does not help, proceed as follows: • Replace the WT2 Controller PCB, see Repair Instructions "Replacing the WT2 Controller PCB".
61	**Error in O2 processor**	O2 measurement does not function. (Note: The error is detected during operation.)	• Check the WT2 Sensor PCB using the DrägerService Mode, see diagnosis "Sensor PCB". • If necessary, replace the O2 Sensor PCB, see Repair Instructions "". • If necessary, replace the WT2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB".
62	**O2 shut-off faulty**	The O2 Sensor PCB cannot be switched off on the WT2 Sensor PCB. (Note: The error is detected during the power-on test and leads to INOP.)	• Replace the WT2 Sensor PCB or the O2 Sensor PCB, see Repair Instructions "Replacing the WT2 Sensor PCB"or "Replacing the O2 Sensor PCB".

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No.	Plain text	Cause	Remedy
64	**Temp ref 2 actuator**	The reference value 2 of the temperature measurement at the air heater is not within the tolerance range. (Note: The error is detected during operation and leads to INOP.)	• If necessary, Replacing the WT2 Actuator PCB.
65	**Temp ref 3 actuator**	The reference value 3 of the temperature measurement at the air heater is not within the tolerance range. (Note: The error is detected during operation and leads to INOP.)	• If necessary, Replacing the WT2 Actuator PCB.
66	**Air excess temperature**	The measured air temperature value is above 41 °C. (Note: The error is detected during operation.)	• No remedy required.
67	**Motor relay on**	The motor (height/tilt adjustment) is on, although it should be off. (Note: The error is detected during operation.)	• Check motor using DrägerService Mode, see calibration "Height adjustment or Tilt adjustment". • If necessary, Replacing the WT2 Actuator PCB. • Replace motor, if necessary.
68	**Motor relay off**	The motor (height/tilt adjustment) is off, although it should be on. (Note: The error is detected during operation.)	• Check motor using DrägerService Mode, see calibration "Height adjustment or Tilt adjustment". • If necessary, Replacing the WT2 Actuator PCB.

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No.	Plain text	Cause	Remedy
69	**Oxygen valve on**	The oxygen valve is on, although it should be off. (Note: The error is detected during operation and leads to INOP.)	• If necessary, Replacing the WT2 Actuator PCB.
70	**Oxygen valve off**	The oxygen valve is off, although it should be on. (Note: The error is detected during operation.)	• If necessary, Replacing the WT2 Actuator PCB. • Replace oxygen valve, if necessary.
71	**Oxygen valve circuit**	The current flow through the oxygen valve is too high. (Note: The error is detected during operation.)	• If necessary, Replacing the WT2 Actuator PCB. • Replace oxygen valve, if necessary.
72	**GoldCap disconnected**	GoldCap voltage is not present at the WT2 Controller PC B. (Note: The error is detected during operation.)	• Check cable connections between WT2 Actuator PCB and WT2 Controller PCB; replace cable connections, if necessary.

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